

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 09/868098 B
Source: PCT
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PATENT APPLICATION: US/09/868,098B

DATE: 05/18/2005

TIME: 09:21:20

Input Set : A:\Merc2251.app
 Output Set: N:\CRF4\05182005\I868098B.raw

3 <110> APPLICANT: DIEFENBACH, BEATE
 4 JONCZYK, ALFRED
 5 KRAFT, SABINE
 6 MEHTA, RAY
 8 <120> TITLE OF INVENTION: INHIBITORS OF THE INTEGRIN AvB6
 10 <130> FILE REFERENCE: MERCK-2251
 12 <140> CURRENT APPLICATION NUMBER: 09/868,098B
 13 <141> CURRENT FILING DATE: 2001-06-14
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP99/09842
 16 <151> PRIOR FILING DATE: 1999-12-11
 18 <150> PRIOR APPLICATION NUMBER: DE 198 58 587.7
 19 <151> PRIOR FILING DATE: 1998-12-11
 21 <160> NUMBER OF SEQ ID NOS: 51
 23 <170> SOFTWARE: PatentIn Ver. 3.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 8
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 32
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 35 <221> NAME/KEY: MOD_RES
 36 <222> LOCATION: (2)
 37 <223> OTHER INFORMATION: any amino acid
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 40 <221> NAME/KEY: MOD_RES
 41 <222> LOCATION: (5)..(6)
 42 <223> OTHER INFORMATION: any amino acid
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 55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 58 <220> FEATURE:
 59 <221> NAME/KEY: MOD_RES
 60 <222> LOCATION: (1)..(15)
 61 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,

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62 homo-Phe or Phg, and this region may encompass
63 0-15 residues
65 <220> FEATURE:
66 <221> NAME/KEY: MOD_RES
67 <222> LOCATION: (17)
68 <223> OTHER INFORMATION: any amino acid or its derivative
70 <220> FEATURE:
71 <221> NAME/KEY: MOD_RES
72 <222> LOCATION: (20)..(21)
73 <223> OTHER INFORMATION: any amino acid or its derivative
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76 <221> NAME/KEY: MOD_RES
77 <222> LOCATION: (23)
78 <223> OTHER INFORMATION: any amino acid or its derivative
80 <220> FEATURE:
81 <221> NAME/KEY: MOD_RES
82 <222> LOCATION: (24)..(38)
83 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
84 homo-Phe or Phg, and this region may encompass
85 0-15 residues
87 <400> SEQUENCE: 2
W--> 88 Xaa Arg
89 1 5 10 15
91 Xaa Asp Leu Xaa Xaa Leu Xaa
92 20 25 30
94 Xaa Xaa Xaa Xaa Xaa Xaa
95 35
98 <210> SEQ ID NO: 3
99 <211> LENGTH: 38
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
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105 Inhibitory Peptide
107 <220> FEATURE:
108 <221> NAME/KEY: MOD_RES
109 <222> LOCATION: (1)..(15)
110 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
111 homo-Phe or Phg, and this region may encompass
112 0-15 residues
114 <220> FEATURE:
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116 <222> LOCATION: (20)..(21)
117 <223> OTHER INFORMATION: any amino acid or its derivative
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120 <221> NAME/KEY: MOD_RES
121 <222> LOCATION: (24)..(38)
122 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
123 homo-Phe or Phg, and this region may encompass

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124 0-15 residues
 127 <400> SEQUENCE: 3
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 131 Thr Asp Leu Xaa Xaa Leu Arg Xaa
 132 20 25 30
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 135 35
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 148 <221> NAME/KEY: MOD_RES
 149 <222> LOCATION: (1)..(15)
 150 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
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 152 0-15 residues
 154 <220> FEATURE:
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 157 <223> OTHER INFORMATION: any amino acid or its derivative
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 160 <221> NAME/KEY: MOD_RES
 161 <222> LOCATION: (24)..(38)
 162 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
 163 homo-Phe or Phg, and this region may encompass
 164 0-15 residues
 168 <400> SEQUENCE: 4
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 172 Ser Asp Leu Xaa Xaa Leu Arg Xaa
 173 20 25 30
 175 Xaa Xaa Xaa Xaa Xaa Xaa
 176 35
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 186 Inhibitory Peptide
 188 <220> FEATURE:
 189 <221> NAME/KEY: MOD_RES
 190 <222> LOCATION: (1)..(15)
 191 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,

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Input Set : A:\Merc2251.app
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192 homo-Phe or Phg, and this region may encompass
193 0-15 residues
195 <220> FEATURE:
196 <221> NAME/KEY: MOD_RES
197 <222> LOCATION: (20)..(21)
198 <223> OTHER INFORMATION: any amino acid or its derivative
200 <220> FEATURE:
201 <221> NAME/KEY: MOD_RES
202 <222> LOCATION: (24)..(38)
203 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
204 homo-Phe or Phg, and this region may encompass
205 0-15 residues
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210 1 5 10 15
212 Asp Asp Leu Xaa Xaa Leu Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
213 20 25 30
215 Xaa Xaa Xaa Xaa Xaa Xaa
216 35
219 <210> SEQ ID NO: 6
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222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Inhibitory Peptide
228 <220> FEATURE:
229 <221> NAME/KEY: MOD_RES
230 <222> LOCATION: (1)..(15)
231 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
232 homo-Phe or Phg, and this region may encompass
233 0-15 residues
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236 <221> NAME/KEY: MOD_RES
237 <222> LOCATION: (20)..(21)
238 <223> OTHER INFORMATION: any amino acid or its derivative
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241 <221> NAME/KEY: MOD_RES
242 <222> LOCATION: (24)..(38)
243 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
244 homo-Phe or Phg, and this region may encompass
245 0-15 residues
248 <400> SEQUENCE: 6
W--> 249 Xaa Arg
250 1 5 10 15
252 Ser Asp Leu Xaa Xaa Leu Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
253 20 25 30
255 Xaa Xaa Xaa Xaa Xaa Xaa
256 35

RAW SEQUENCE LISTING
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Input Set : A:\Merc2251.app
Output Set: N:\CRF4\05182005\I868098B.raw

259 <210> SEQ ID NO: 7
260 <211> LENGTH: 38
261 <212> TYPE: PRT
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269 <221> NAME/KEY: MOD_RES
270 <222> LOCATION: (1)..(15)
271 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
homo-Phe or Phg, and this region may encompass
0-15 residues
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276 <221> NAME/KEY: MOD_RES
277 <222> LOCATION: (20)..(21)
278 <223> OTHER INFORMATION: any amino acid or its derivative
280 <220> FEATURE:
281 <221> NAME/KEY: MOD_RES
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283 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
homo-Phe or Phg, and this region may encompass
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288 <400> SEQUENCE: 7
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290 1 5 10 15
292 Gly Asp Leu Xaa Xaa Leu Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
293 20 25 30
295 Xaa Xaa Xaa Xaa Xaa Xaa
296 35
299 <210> SEQ ID NO: 8
300 <211> LENGTH: 38
301 <212> TYPE: PRT
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Inhibitory Peptide
308 <220> FEATURE:
309 <221> NAME/KEY: MOD_RES
310 <222> LOCATION: (1)..(15)
311 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
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0-15 residues
315 <220> FEATURE:
316 <221> NAME/KEY: MOD_RES
317 <222> LOCATION: (17)
318 <223> OTHER INFORMATION: any naturally occurring amino acid or its derivative, Nle,
homo-Phe or Phg
321 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/868,098B

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Input Set : A:\Merc2251.app
Output Set: N:\CRF4\05182005\I868098B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,5,6
 Seq#:2; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,21,23,24,25,26
 Seq#:2; Xaa Pos. 21,28,29,30,31,32,33,34,35,36,37,38
 Seq#:3; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,20,21,24,25,26,27,28
 Seq#:3; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:4; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,20,21,24,25,26,27,28
 Seq#:4; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:5; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,20,21,24,25,26,27,28
 Seq#:5; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:6; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,20,21,24,25,26,27,28
 Seq#:6; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:7; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,20,21,24,25,26,27,28
 Seq#:7; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,21,24,25,26,27,28
 Seq#:8; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:9; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,21,24,25,26,27,28
 Seq#:9; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:10; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,21,24,25,26,27,28
 Seq#:10; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:11; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,21,24,25,26,27,28
 Seq#:11; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:12; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,21,24,25,26,27,28
 Seq#:12; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:13; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,21,24,25,26,27,28
 Seq#:13; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:14; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28
 Seq#:14; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:15; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28
 Seq#:15; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:16; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28
 Seq#:16; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:17; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28
 Seq#:17; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:18; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28
 Seq#:18; Xaa Pos. 29,30,31,32,33,34,35,36,37,38
 Seq#:19; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28,29,30
 Seq#:19; Xaa Pos. 31,32,33,34,35,36,37,38
 Seq#:20; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,20,24,25,26,27,28,29,30,31
 Seq#:20; Xaa Pos. 32,33,34,35,36,37,38,39

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Input Set : A:\Merc2251.app
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L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10
L:474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
M:341 Repeated in SeqNo=12
L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
M:341 Repeated in SeqNo=14
L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
M:341 Repeated in SeqNo=17
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
M:341 Repeated in SeqNo=18
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
M:341 Repeated in SeqNo=19
L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
M:341 Repeated in SeqNo=20